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ELECTRONIC THESIS AND DISSERTATION UNSYIAH

TITLE

SISTEM KONTROL PERALATAN LISTRIK MENGGUNAKAN MEDIA NIRKABEL

ABSTRACT

We generally know that to turn on or turn off various kinds of electric switches in our home can be identical as someone's action in using an available electric device. But this way will not be so effective to be done by a weak or sick person, because the person is unable to move to reach the device. The purpose of this study is to know how to plan and create a remote electric switch which uses radio wave or radio frequency. This last work had been successful in making an electric device controller system that can work without any cables. It consisted of a receiver and a data radiator. The result of the test showed that the planned device could work very well. It had the radiating distance which could be received by the receiver connection in the distance of 100 meters, while in the distance of over 100 meters, the data could not be read perfectly, and in the farthest distance the data could not be read too.